Mechanics of Materials 2 (1983) 363–364
North-Holland

AUTHOR INDEX VOLUME 2 (1983)

(The issue number is given in front of the page numbers)

Angers, L.M., *see* **Maruyama, K.** (1) 61–66
Arieli, A., R.P. Wells, M.A. Hamstad and **A.K. Mukherjee,** The use of acoustic emission techniques to monitor fracture processes in high strength precipitation hardened aluminum alloys (1) 1–7

Christensen, R.M. and **W.W. Feng,** Nonlinear compressive deformation of viscoelastic porous materials (3) 239–247
Cowin, S.C., The burial of a slender elastic vertical cylinder (1) 67–77

Delannoy-Coutris, M., *see* **Perrin, G.** (2) 139–153
Dvorak, G.J., *see* **Laws, N.** (2) 123–138

Feng, W.W., *see* **Christensen, R.M.** (3) 239–247
Follansbee, P.S., *see* **Weertman, J.** (4) 265–285
Forrestal, M.J., Forces on conical-nosed penetrators into targets with constant shear strength (2) 173–177

Gao, Y.C. and **S. Nemat-Nasser,** Dynamic fields near a crack tip growing in an elastic-perfectly-plastic solid (1) 47–60
Gao, Y.C. and **S. Nemat-Nasser,** Near-tip dynamic fields for a crack advancing in a power-law elastic-plastic material: Modes I, II and III (4) 305–317

Hamstad, M.A., *see* **Arieli, A.** (1) 1–7
Hecker, S.S., *see* **Stout, M.G.** (1) 19–22
Hecker, S.S., *see* **Stout, M.G.** (1) 23–31
Hecker, S.S., *see* **Weertman, J.** (2) 89–101
Hejazi, M., *see* **Laws, N.** (2) 123–138
Herrick, R.S., *see* **Maruyama, K.** (1) 61–66
Hong, S.H., *see* **Maruyama, K.** (1) 61–66

Krempl, E. and **H. Lu,** Comparison of the stress responses of an aluminum alloy tube to proportional and alternate axial and shear strain paths at room temperature (3) 183–192

Laws, N., G.J. Dvorak and **M. Hejazi,** Stiffness changes in unidirectional composites caused by crack systems (2) 123–138
Lin, M.R., *see* **Maruyama, K.** (1) 61–66
Loret, B., On the effects of plastic rotation in the finite deformation of anisotropic elastoplastic materials (4) 287–304
Lu, H., *see* **Krempl, E.** (3) 183–192
Luzzi, D.E., *see* **Maruyama, K.** (1) 61–66

Maruyama, K., R.L. Thom, M.R. Lin, L.M. Angers, R.S. Herrick, S.H. Hong, D.E. Luzzi, Y.K. Park, D.R. Williams, M.S. Zedalis and **J. Weertman,** A modified stress distribution for a subsonic moving dislocation (1) 61–66
Mehrabadi, M.M. and **S. Nemat-Nasser,** Stress, dilatancy and fabric in granular materials (2) 155–161
Morland, L.W. and **A. Sawicki,** A mixture model for the compaction of saturated sand (3) 203–216
Morland, L.W. and **A. Sawicki,** A mixture model for the compaction of saturated sand (*Erratum*) (4) 361
Motoie, K., M. Sakane and **J. Schmidt,** An extensometer for axial strain measurement at high temperature (2) 179–182
Mukherjee, A.K., *see* **Arieli, A.** (1) 1–7
Mura, T., *see* **Wnuk, M.P.** (1) 33–46

Nemat-Nasser, S., *see* **Gao, Y.C.** (1) 47–60
Nemat-Nasser, S., *see* **Mehrabadi, M.M.** (2) 155–161
Nemat-Nasser, S., *see* **Gao, Y.C.** (4) 305–317

Oda, M., A method for evaluating the effect of crack geometry on the mechanical behavior of cracked rock masses (2) 163–171
Ohashi, Y., E. Tanaka and **T. Ueno,** Plastic deformation behavior of mild steel along spiral strain trajectory (2) 111–122

Park, Y.K., *see* **Maruyama, K.** (1) 61–66
Paterson, M.S., Creep in transforming polycrystalline materials (2) 103–109
Paterson, M.S., The equivalent channel model for permeability and resistivity in fluid-saturated rock—A re-appraisal (4) 345–352
Perrin, G. and **M. Delannoy-Coutris,** Analysis of plane elastic-plastic shock-waves from the fourth-order anharmonic theory (2) 139–153
Poirier, J.P., *see* **Zamora, M.** (3) 193–202
Poorooshasb, H.B. and **R.N. Yong,** On the stability of the Rendulic–Roscoe clay (1) 79–86

Rana, O.H., *see* **Verma, P.D.S.** (4) 353–359

0167-6636/83/$3.00 © 1983, Elsevier Science Publishers B.V. (North-Holland)

Sakane, M., *see* **Motoie, K.** (2) 179–182
Sawicki, A., *see* **Morland, L.W.** (3) 203–216
Sawicki, A., Engineering mechanics of elasto-plastic composites (3) 217–231
Sawicki, A., *see* **Morland, L.W.** (4) 361
Schmidt, J., *see* **Motoie, K.** (2) 179–182
Sham, T.-L., Effects of rigid grains separation on the diffusive growth of crack-like cavities on grain boundaries (1) 9–18
Stout, M.G. and **S.S. Hecker**, Fracture strains in biaxially loaded 2024 aluminum tubes (1) 19–22
Stout, M.G. and **S.S. Hecker**, Role of geometry in plastic instability and fracture of tubes and sheet (1) 23–31

Tanaka, E., *see* **Ohashi, Y.** (2) 111–122
Thom, R.L., *see* **Maruyama, K.** (1) 61–66
Thomas, H.R., Numerical analysis of drying induced stresses in timber: An orthotropic model (3) 249–263

Ueno, T., *see* **Ohashi, Y.** (2) 111–122

Verma, P.D.S. Double layer porous journal bearing analysis (3) 233–238
Verma, P.D.S. and **O.H. Rana**, Rotation of a circular cylindrical tube reinforced by fibres lying along helices (4) 353–359

Warren, W.E., The edge dislocation inside an elliptical inclusion (4) 319–329
Weertman, J., *see* **Maruyama, K.** (1) 61–66
Weertman, J. and **S.S. Hecker**, Theory for saturation stress difference in torsion versus other types of deformation at low temperatures (2) 89–101
Weertman, J. and **P.S. Follansbee**, Finite amplitude plastic shock wave treated with summed infinitesimal amplitude elastic-plastic waves through dislocation dynamics (4) 265–285
Weertman, J., Explicit calculation of the crack tip stress intensity factor for the double slip plane model crack (4) 331–343
Wells, R.P., *see* **Arieli, A.** (1) 1–7
Williams, D.R., *see* **Maruyama, K.** (1) 61–66
Wnuk, M.P. and **T. Mura**, Effect of microstructure on the upper and lower limits of material toughness in elastic-plastic fracture (1) 33–46

Yong, R.N., *see* **Poorooshasb, H.B.** (1) 79–86

Zamora, M. and **J.P. Poirier**, Experiments in anisothermal transformation plasticity: The case of cobalt. Geophysical implications (3) 193–202
Zedalis, M.S., *see* **Maruyama, K.** (1) 61–66